SW-250 Wireless Control
High Output Snow Machine
User Manual

RoHS

English • Français • Deutsch • 中文

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ANTARI SW-250 SNOW MACHINE

INTRODUCTION

Thank you for choosing Antari SW-250 Snow Machine. Prior to use, it is suggested to read the instructions carefully and thoroughly. By following the instructions listed in this user manual, you can look forward to the best haze effect and the most reliable performance of your Antari SW-250Snow Machine for years to come.

Please follow these operation and safety instructions to ensure a long and safe life for your SW-250.

DANGER OF ELECTRIC SHOCK

- Keep this device dry.
- For indoor use only. Not designed for outside use.
- Use grounded electrical outlet. Prior to use, make sure that the unit is installed at the rated voltage.
- Always unplug the machine before filling snow fluid.
- Turn off or unplug when not in use.
- This machine is not water or splash proof. If moisture, water, or snow fluid gets inside the housing, immediately unplug the unit. After unplugging, wipe the unit with dry clothe and leave the unit stand still for a while. If any problem while use again, please contact a service technician or your ANTARI dealer.

DANGER OF BURN

- No user serviceable and modifiable parts inside. Do not disassemble the housing and do any modification; otherwise damage of the device or danger of burn may be caused.
- For adult use only. The machine must be installed out of the reach of children. Never leave the unit running unattended.
- Position the machine in well-ventilated area. Please leave at least 20cm spaces surrounding the machine.
- Never add flammable liquids of any kind (oil, gas, perfume) to the snow fluid.
- Use only dealer recommended genuine Antari snow fluid SL-5(A). Please do not use any other liquid which may cause erosion of inner parts.
- If your Antari SW-250 Snow Machine fails to work properly, stop using immediately. Contact you're your Antari dealer first. Pack the unit securely (preferably with the original packing material) and return it to your ANTARI dealer for service.

Pay attention to all warning labels, signs and instructions printed on the exterior of your Antari Snow Machine.

UNPACKING & INSPECTION

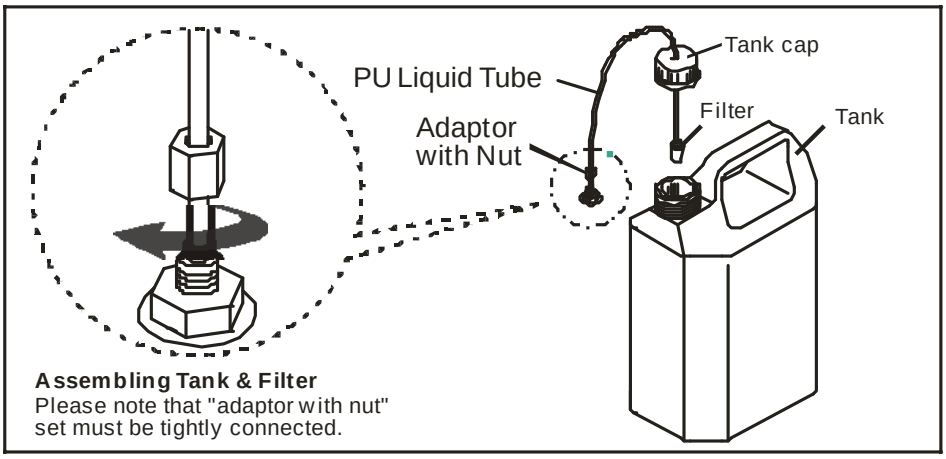
Open the shipping carton and check that all equipment necessary to operate the machine have arrived intact.

The shipping carton should contain the following items:

1. Snow machine with power cable
2. W-1 wireless transmitter (Only for SW-250 model)
3. Fluid tank
4. Hanging bracket
5. Screw set and user manual

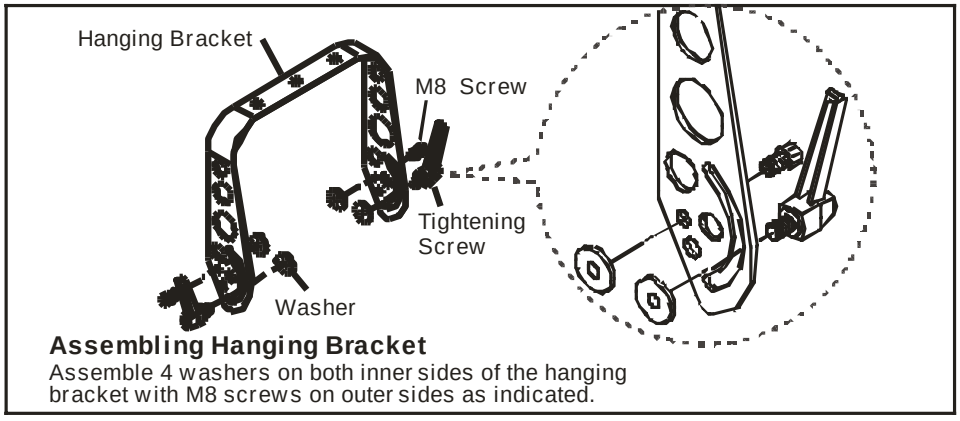
Before beginning initial setup of your ANTARI SW-250 Snow Machine, make sure that there is no evident damage caused by transportation. In the event of that the unit's housing or cable is damaged, do not plug it nor use it until contacting your Antari dealer for assistance.

1. Remove all packing materials from shipping box. Check that all foam and plastic paddings are removed.
2. Place the machine on a flat surface and follow steps below.



Assembling Tank & Filter
Please note that "adaptor with nut" set must be tightly connected.

3. Assembling the hanging bracket on the machine, use the M8 screws to position the hanging bracket with the machine, the tightening screws are for adjusting the machine's angle when in the air.



Assembling Hanging Bracket
Assemble 4 washers on both inner sides of the hanging bracket with M8 screws on outer sides as indicated.

4. Fill with ANTARI SL-5(A) snow fluid. Any other types of fluid can damage the unit. When filled, place cap

back on liquid tank.

5. Plug the power cable into a grounded electrical outlet and switch the power switch at the rear of the machine for powering on.

TRANSMITTER REGISTRATION

ONLY FOR SW-250 MODEL

After powering on, the LCD screen will show sequentially “Antari SW-250” and then “Wireless Setup…”. Press button “A” on the transmitter(s) to register when see “Wireless Setup…” is on. There are totally 15 seconds for finishing the registration of the transmitter(s). Once registration is completed, the LCD screen will blink and beep. The LCD screen will finally show “Wireless Setup.OK” once the 15 seconds ends. Up to 5 transmitters are allowed to be registered with one SW-250. The included transmitter has been registered with the machine before shipment and can be directly operated without any start-up setting. Therefore, the registration is only needed before use of new W-1.

Note: All transmitter(s) registration must be completed within 15 seconds or SW-250 has to be power on again for next registration.

LCD CONTROL OPERATION

After transmitter(s) registration time ends, LCD screen will then show “Ready To Snow”. Now the machine is ready for operating.

FUNCTIONS SETTING

Press **Menu** button for setting different functions per sequence as below.

Interval Set To set the interval time under timer mode by pressing **Up/Timer** and **Down/Volume** buttons (20 to 2000 seconds).

Duration Set To set the duration time under timer mode by pressing **Up/Timer** and **Down/Volume** buttons (10 to 200 seconds).

Timer Out To set the output volume under timer mode by pressing **Up/Timer** and **Down/Volume** buttons (1 to 100 %).

Volume Out To set the output volume under continuous mode by pressing **Up/Timer** and **Down/Volume** buttons (1 to 100 %).

DMX512 Add. To set the DMX channel under DMX control mode by pressing **Up/Timer** and **Down/Volume** buttons (1 to 512 channels).

Wireless ON To activate/terminate the wireless control system by pressing **Up/Timer** and **Down/Volume** buttons (ON/OFF). When wireless control system is activated, letter “W” will be showed under main screen display “Ready To Snow”. Once the wireless control system is terminated then the letter “W” will disappear accordingly.

Quick Start To activate / terminate quick start function by pressing **Up/Timer** and **Down/Volume** buttons (ON/OFF). Once Quick Start function is on, the output job under timer or continuous output (LCD/W-1/DMX) mode terminated by power off will be directly resumed after power on again. When the unit is power off not under output mode then the LCD screen will resume to “Ready To Snow” main screen display directly.

OUTPUT UNDER TIMER MODE

Press **Up/Timer** button to execute the interval/duration timing set and press **Stop** to stop.

OUTPUT UNDER CONTINUOUS OUTPUT MODE

Press **Down/Volume** button to output continuously until **Stop** button is pressed.

AIR VOLUME SETTING

There's a small button "**AIR VOLUME**" located at rear of the machine used for adjusting the fan output volume. In general, when the fan output is increased the snow flakes produced are smaller. In contrast, when the fan output is decreased, bigger snow flakes will be produced. However, the snow output volume will not be affected.

Note: When the machine senses no fluid in the fluid pipe, LCD screen will blink and show "No Fluid". Meanwhile, the machine is locked and not able to output for preventing machine from further ineffective work. Check immediately if the snow fluid in tank has been run out. To unlock the LCD screen, press **Stop** for 2 seconds and the machine will try to pump again the snow fluid. When the fluid pipe is full of snow fluid then the machine will be functional again.

REMOTE CONTROL OPERATION

ONLY FOR SW-250 MODEL

W-1: The wireless remote control W-1 consists of a transmitter equipped with two buttons for output on and off, and a receiver pre-attached to SW-250.

*** Transmitter**

With the transmitter it is possible to output via radio over a distance of up to 50 meters. The transmitter is compatible to any receiver of SW-250 and can control an unlimited number of machines in parallel. Press the button "A", to ouput. As control, the LED on the transmitter is lit. To stop the output, press the button "B".

*** Receiver**

The receiver is tested and built in SW-250. Please do not try to remove it. The receiver responds to up to 5 different transmitters that are registered with the machine. The included transmitter has been registered with the machine before shipment. It can be directly operated without any start-up setting.

Battery change on the transmitter

If the range of the transmitter decreases, the battery is probably exhausted and must be replaced. For this purpose, take off the housing cover and remove the used battery. Insert a fresh 12 V battery, and refit the housing cover.

SC-2 (Optional): 25 ft. wired ON/OFF and volume remote controller with 4 pin XLR plug.

Red Switch – ON/OFF

To output, switch to ON. To stop, switch to OFF.

Volume Knob

Adjust the output volume from 10% to 100% by turning the knob.

Red LED Indicator

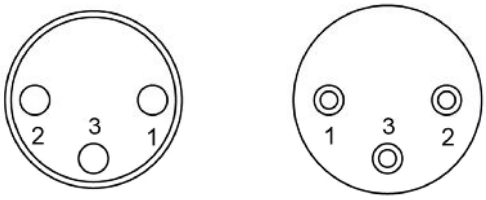
When the remote is connected to the machine, the red LED will be on.

Green LED Indicator

When red switch is switched to ON, the green LED will be on.

DMX Connector Pin Assignment

The machine provide 3 pin XLR connector for DMX connection. Diagram below indicate pin assignment information



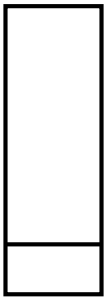
3 Pin XLR

Pin	Function
1	Ground
2	Data-
3	Data+

DMX CONTROL OPERATION

SW-250 has on-board DMX control and the addressing is via LCD control panel. SW-250 uses 1 channel to control output on/off and volume. The channel has a value range from 0 to 255. The on/off function can also be programmed with a DMX controller or DMX control software used by lighting and effects operator.

Channel A



11-255 = ON (1%-100%)

0-10 = OFF

If the value of channel A is set between 0 to 10, the unit is off.

While the value is set between 11 to 255, the unit is on.

Note: Once DMX cable is connected to the unit, then the LCD control panel, W-1 transmitter and HC-1 controller connected cannot be used.

MAINTENANCE

1. Do not allow the snow liquid to become contaminated. Always replace the caps on the liquid container and the snow machine liquid tank immediately after filling.
2. Before storing away after each operation, rinse the system with pure water and let it pump for at least 1or 2 minutes. This step helps to ensure a longer life-span of the motor and the nozzle.
3. It is strongly recommended to regularly clean the dust/residue around snow machines' vent holes (on both sides of the machine). Simply use a small brush, a toothbrush for example, and gently brush in the direction from top to bottom. This step helps to ensure that minimal debris will get into the machine or

causes clogging.

CAUTION

- Never drink snow fluid. If it is ingested and feel sick in any case, call the doctor immediately.

If haze fluid comes in contact with skin or eyes, rinse thoroughly with cold water.

- If you have followed the above operation steps, and you still experience low output, mechanical noise or no output at all, unplug the unit immediately from the mains. Check the fluid level, the external fuse, the remote control connection, and the power cable from the wall. If all of the above appears to be O.K., plug again. If the machine is still not functional, discontinue operating otherwise it may result in permanent damage to the unit. Return the machine to your Antari dealer.

SNOW FLUID

Antari SL-5/SL-5(A) fluid was designed for the use with Antari snow machines. Antari SL-5(A) is a non-toxic solution that produces fast-dissipating snow.

TECHNICAL SPECIFICATIONS

Model	SW-250	
Power Supply	110~120V AC / 50~60Hz	220~240V AC / 50~60Hz
Power Consumption	600W (Min Output) , 1290 W (Max Output)	
Output Volume	250ml / min	
Tank Capacity	5 liters	
Fluid Consumption Rate	4mins / liter	
Weight	12.6 kgs	
Dimension (LxWxH) mm	L 544 / W 276 / H 228	

Approval

This product is in accordance with the R&TTE directive (Radio and Telecommunication Technical Equipment) of the European Union and falls into equipment Class 1. In all EU member countries, the operation of this wireless system is generally approved by the national telecom regulatory authority. The system is license-free. In some countries outside the EU, the operation of this wireless system may needs to be approved by the national telecoms regulatory authority.

CE R&TTE Directive 1999/5/EC
433.920 MHz
Approved in the EU
All other countries contact national telecoms authority for approval.

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